	Application No.	Applicant(s)
	10/621,030	KIRSCH ET AL.
Notice of Allowability	Examiner	Art Unit
	SIMON D. NGUYEN	2685
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) of NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIC of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in this or other appropriate communica GHTS. This application is subject	application. If not included tion will be mailed in due course. <b>THIS</b>
1. A This communication is responsive to application filed 7/16/0	<u>03</u> .	
2. The allowed claim(s) is/are 13-39 (renumbered 1-27).		
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority und</li> <li>a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have</li> <li>2.  Certified copies of the priority documents have</li> </ul>	been received.	
Copies of the certified copies of the priority documents have	• •	
International Bureau (PCT Rule 17.2(a)).	unichts have been received in the	is national stage application from the
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONME THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	ENT of this application.	
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives</li> </ol>		
5. CORRECTED DRAWINGS ( as "replacement sheets") must	be submitted.	
(a) ☐ including changes required by the Notice of Draftsperso	on's Patent Drawing Review ( P	ΓO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in th	e Office action of
Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in th		
6. DEPOSIT OF and/or INFORMATION about the depos attached Examiner's comment regarding REQUIREMENT F		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 Notice of Informa	al Patent Application (PTO-152)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summa	, , , ,
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08	Paper No./Mail	Date ndment/Comment
Paper No./Mail Date		
<ol> <li>Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ol>	8. ⊠ Examiner's State  9. □ Other	ment of Reasons for Allowance
SIMON NOUYEN <b>PRAMARY EXAMME</b> R		
Comman 19/14/	5	

Application/Control Number: 10/621,030

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## **DETAILED ACTION**

## **EXAMINER'S AMENDMENT**

The application has been amended as follows: Claim 25, A receiver according to claim 24,....

## Allowable Subject Matter

- 1. Claims 13-39 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:

Regarding claims 13, 18, 24, and 32, Hirata et al. (6,731,911) discloses a method for an AFC in a CDMA receiver, comprising: dispreading symbols of frequency; determining frequency errors, correcting the frequency errors; determining an average of the frequency errors; and comparing the average with threshold (predetermined value) in order to correct the local oscillating signal.

This reference does not specifically disclose if the average is greater than or equal to the threshold, the local oscillator frequency is corrected by using:

an error = -sgn (f error1)( 1/T - I f error1 I), before determining the next residual frequency error associated with the next symbol.

Regarding claims 14-17, 19-23, 25-31, 33-39, these claims are allowed as being dependent upon independent claims that have been allowed.

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## Conclusion

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Simon Nguyen whose telephone number is (571) 272-7894. The examiner can normally be reached on Monday-Friday from 7:00 AM to 4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward F. Urban, can be reached on (571) 272-7899.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 306-0377.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
600 Dulany, Alexandria, VA 22314

Or faxed to:

(571) 273-8300 (for formal communications intended for entry)

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Hand-delivered response should be brought to Customer Service Window located at the Randolph Building, 401 Dulany, Alexandria, VA, 22314.

Simon Nguyen

December 14, 2005

SIMON NGUYEN PRIMARY EXAMINER